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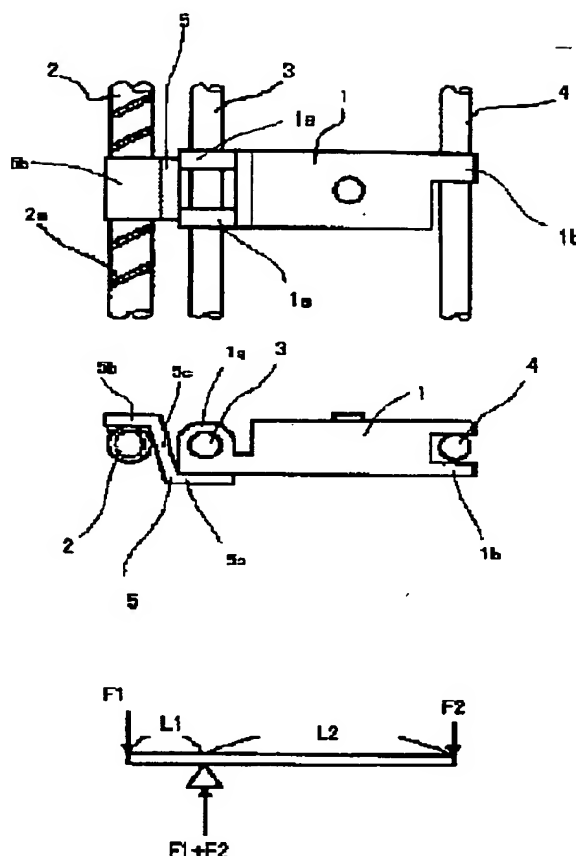
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TITLE : OPTICAL PICKUP FEED MECHANISM



ABSTRACT : PROBLEM TO BE SOLVED: To smoothly move an optical pickup part along respective axes by engaging the free end of an arm part which has an elastic force with a screw shaft and pressing a rail main shaft against a fulcrum and the other end part of the optical pickup part against a rail subordinate shaft with a force balancing with the elastic force of the arm part.

SOLUTION: To a recessed part 1b of the optical pickup part 1, a downward force pressing the rail subordinate shaft 4 with the force balancing with the downward elastic force of a tooth part 5b of the arm part 5 engaging the spiral groove 2a of a screw shaft 2 is applied on the rail main shaft 3 on which a cylinder part 1a is pivoted as a fulcrum. The recessed part 1b of the optical pickup part 1 and the rail subordinate shaft 4 are pressed against each other to eliminate their play, so the generation of vibration and noise is suppressed, so the optical pickup part is stably driven. Consequently, while variance in size among the optical pickup part 1, rail main shaft 3, and rail subordinate shaft 4 is absorbed and the rail subordinate shaft 4 is securely supported, the optical pickup part 1 can smoothly be moved along them.

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